

Supplemental data

1. High resolution scanning XPS spectrum of C 1s of GO and high resolution core level XPS spectrum of C 1s of the RGO-CdS/ZnS

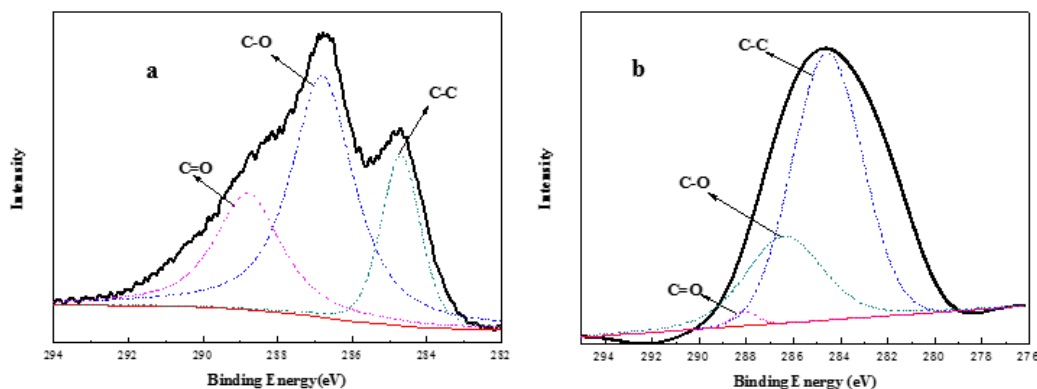


Fig. S1 High resolution scanning XPS spectrum of C 1s of GO (a) and high resolution core level XPS spectrum of C 1s of the RGO-CdS/ZnS (b)

2. The nitrogen adsorption-desorption isotherms of GO, CdS/ZnS and RGO-CdS/ZnS composites

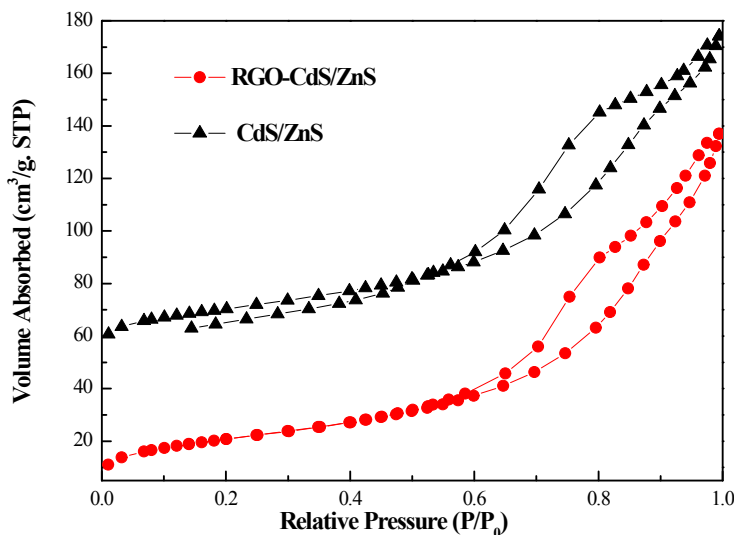


Fig.S2 The nitrogen adsorption-desorption isotherms of GO, CdS/ZnS and RGO-CdS/ZnS composites